INDEX

ACHATZ, U. *See* SCHLICKEISER, R. and ACHATZ, U.

ALEXOV, E. G. *See* IVANOV, S. T., IVANOVA, K. M. and ALEXOV, E. G.

ALIEV, YU. M., JOVANOVIĆ, B. M. and FROLOV, A. A. Generation of quasi-stationary magnetic fields by external electromagnetic radiation in a cold magneto-active plasma, 51

BABOOLAL, S. *See* BHARUTHRAM, R., BABOOLAL, S. and SHUKLA, P. K.

BHARUTHRAM, R., BABOOLAL, S. and SHUKLA, P. K. Thermally driven magnetic turbulence in the presence of radiation cooling in plasmas, 79

BRIO, M. *See* WEBB, G. M., WOODWARD, T. I., BRIO, M. and ZANK, G. P.

CHEN, H. and MONTGOMERY, D. Equilibrium properties of a rotating plasma: differences between the fluid velocity and the drift velocity, 341

CORSO, G. and RIZZATO, F. B. Stochastic cyclotron dynamics in the interaction of waves and low-energy particles, 425

DOUGHERTY, J. P. Editorial notice, 1

EL-DIB, Y. O. Nonlinear stability of surface waves in magnetic fluids: effect of a periodic tangential magnetic field, 317

ELAZAB, S. S. Magnetohydrodynamic stability of a streaming gas jet, 3

FICHTNER, H. and SREENIVASAN, S. R. Exact algebraic dispersion relations for wave propagation in hot magnetoplasmas, 101

FROLOV, A. A. *See* ALIEV, YU. M., JOVANOVIĆ, B. M. and FROLOV, A. A.

GHANSHYAM and TRIPATHI, V. K. Self-focusing and filamentation of laser beams in collisional plasmas with finite thermal conduction, 243

GOODMAN, M. L. Driven, dissipative energy-conserving magnetohydrodynamic equilibria. Part 2. The screw pinch, 125

GRATREAU, P. and ROBOUCH, B. V. Guiding-centre motion in the framework of Hamilton–Jacobi theory, 445

HAMABATA, H. Parametric instabilities of finite-amplitude circularly polarized Alfvén waves in an anisotropic plasma, 29

HELLBERG, M. A. *See* MACE, R. L. and HELLBERG, M. A.

HEYN, M. F. and PUDOVKIN, M. I. A time-dependent mode of magnetic field annihilation, 17

ITO, T. *See* NAKAMURA, Y., ITO, T. and KOGA, K.

IVANOV, S. T., IVANOVA, K. M. and ALEXOV, E. G. Rayleigh surface waves along the boundary between a plasma and a metallic screen, 227

IVANOVA, K. M. *See* IVANOV, S. T., IVANOVA, K. M. and ALEXOV, E. G.

JOVANOVIĆ, B. M. *See* ALIEV, YU. M., JOVANOVIĆ, B. M. and FROLOV, A. A.

KATOU, K. and MAMADA, H. Two-fluid electromagnetic instability in a self-consistent inhomogeneous plasma with saturated magnetic shear, 219

KIM, S. H. Net inverse-bremsstrahlung (NIB) acceleration of a high-energy electron beam in an axial electrostatic wave, 161

VLADIMIROV, S. V. and TSYTOVICH, V. N. Theory of modulational interaction of two coupled waves. Part 1. General formulae for a nonlinear medium, 197

VLADIMIROV, S. V. and TSYTOVICH, V. N. Theory of modulational interaction of two coupled waves. Part 2. Instability of pump Langmuir waves, 207

WEBB, G. M., WOODWARD, T. I., BRIO, M. and ZANK, G. P. Linear magnetosonic N waves and Green's functions, 465

WOODWARD, T. I. *See* WEBB, G. M., WOODWARD, T. I., BRIO, M. and ZANK, G. P.

YAMAKOSHI, Y. *See* YOSHIDA, Z., SAKURAGI, Y. and YAMAKOSHI, Y.

YOSHIDA, Z., SAKURAGI, Y. and YAMAKOSHI, Y. A reduced model of chaotic magnetic fluctuations in a tokamak plasma, 403

ZANK, G. P. *See* WEBB, G. M., WOODWARD, T. I., BRIO, M. and ZANK, G. P.

BOOK REVIEW

Solitary Waves in Plasmas and in the Atmosphere, by V. Petviashvili and O. Pokhotelov, 525

KIM, S. H. Spontaneous free-electron two-quantum Stark emission in an arbitrary direction from a zero-temperature electron beam, 181

KOGA, K. *See* NAKAMURA, Y., ITO, T. and KOGA, K.

KUO, S. P. and LEE, M. C. Thermal instability excited in the electron–cyclotron resonance heating of plasmas, 515

LARSSON, J. An action principle for the Vlasov equation and associated Lie perturbation equations. Part 2. The Vlasov–Maxwell equation system, 255

LEE, M. C. *See* KUO, S. P. and LEE, M. C.

MACE, R. L. and HELLBERG, M. A. On the existence of weak stationary electron-acoustic double layers, 283

MAMADA, H. *See* KATOU, K. and MAMADA, H.

MARGOT, J. and MOISAN, M. Characteristics of surface-wave propagation in dissipative cylindrical plasma columns, 357

MOISAN, M. *See* MARGOT, J. and MOISAN, M.

MONTGOMERY, D. *See* CHEN, H. and MONTGOMERY, D.

NAKAMURA, Y., ITO, T. and KOGA, K. Excitation and reflection of ion-acoustic waves by a gridded plate and a metal disk, 331

PARIS, R. B. The gravitational interchange instability for perpendicular density gradients, 85

PARKES, E. J. The influence of electron inertia on the modulational instability of ion-acoustic waves, 395

PERT, G. J. Models of laser plasma ablation. Part 4. Steady-state theory: collisional absorption flow, 295

PETRŽÍLKA, V. A. On radio-frequency wave-induced radial transport and wave helicity, 55

PUDOVKIN, M. I. *See* HEYN, M. F. and PUDOVKIN, M. I.

RAO, N. N. Low-frequency waves in magnetized dusty plasmas, 375

RIZZATO, F. B. Self-consistency in the interaction of magnetized electrons and ordinary polarized electromagnetic waves, 41

RIZZATO, F. B. *See* CORSO, G. and RIZZATO, F. B.

ROBOUCH, B. V. *See* GRATREAU, P. and ROBOUCH, B. V.

RUDERMAN, M. S. Nonlinear sausage-wave propagation in a magnetic slab in an incompressible fluid, 271

SABZEVARI, B. Waves and fields in the mode-coupling region, 413

SAKURAGI, Y. *See* YOSHIDA, Z., SAKURAGI, Y. and YAMAKOSHI, Y.

SCHLICKEISER, R. and ACHATZ, U. Cosmic ray particle transport in weakly turbulent plasmas. Part 1. Theory, 63

SHUKLA, P. K. *See* BHARUTHRAM, R., BABOOLAL, S. and SHUKLA, P. K.

SREENIVASAN, S. R. *See* FICHTNER, H. and SREENIVASAN, S. R.

STENFLO, L. Effect of collisions on the nonlinear mixing of electromagnetic waves in plasmas, 237

TRIPATHI, V. K. *See* GHANSHYAM and TRIPATHI, V. K.

TSYTOVICH, V. N. *See* VLADIMIROV, S. V. and TSYTOVICH, V. N.